

Multimodal Learning Analytics Grand Challenge 2014 (MLA 2014)

- 8:45 – 9:00 **Welcome and Introduction** (*Chairs*)
- 9:00 – 10:00 **Session 1: Techniques for MLA I** (*Chair: X. Ochoa*)
- Multimodal Learning Analytics as a Tool for Bridging Learning Theory and Complex Learning Behaviors (*Marcelo Worsley – Stanford University*)
 - Acoustic-Prosodic Entrainment and Rapport in Collaborative Learning Dialogues (*Nichola Lubold and Heather Pon-Barry – ASU*)
- 10:00 – 10:30 Coffee Break
- 10:30- 11:30 **Session 2: Techniques for MLA II** (*Chair: K. Chiluíza*)
- Holistic analysis of the classroom (*Mirko Raca and Pierre Dillenbourg – EPFL*)
 - Deciphering the Practices and Affordances of Different Reasoning Strategies through Multimodal Learning Analytics (*Marcelo Worsley and Paulo Blikstein – Stanford University*)
- 12:00 – 13:30 Lunch
- 13:30 – 14:00 **Session 3: Math Corpus Challenge** (*Chair: M. Worsley*)
- Combining Empirical and Machine Learning Techniques to Predict Math Expertise using Pen Signal Features (*Jianlong Zhou – National ICT Australia, Kevin Hang – University of New South Wales, Sharon Oviatt – Incaa Designs, Kun Yu – National ICT Australia and Fang Chen – National ICT Australia*)
- 14:00 – 15:30 **Session 4: Oral Presentation Challenge** (*Chair: S. Oviatt*)
- Estimation of Presentations Skills Based on Slides and Audio Features (*Gonzalo Luzardo, Bruno Guamán, Katherine Chiluíza, Jaime Castells and Xavier Ochoa – ESPOL*)
 - Using Multimodal Cues to Analyze MLA'14 Oral Presentation Quality Corpus: Presentation Delivery and Slides Quality (*Lei Chen, Chee Wee Leong, Gary Feng and Chong Min Lee – Educational Testing Services*)
 - Presentation Skills Estimation Based on Video and Kinect Data Analysis (*Vanessa Echeverria, Allan Avendaño, Aníbal Vásquez, Katherine Chiluíza and Xavier Ochoa – ESPOL*)
- 15:30 – 16:00 Coffee Break
- 16:00 – 17:00 **Integration of the Work**
- 17:00 – 18:00 **Future of MLA and Conclusions**